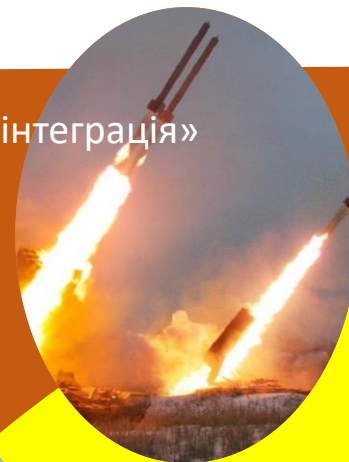


Фармацевтичний форум «Клінічні випробування в Україні. Європейська інтеграція»



Клінічні дослідження в екстремальних умовах. Інновації перевірені війною.

Clinical Trials in Extreme Conditions. Innovations Tested by the War.



Prof. Igor Bondarenko
Head of Oncology and Medical Radiology Department
Dnipro State Medical University, Ukraine

Mercure Kyiv Congress, June 29, 2023

<https://www.euro-stu.net/clinical-trials-in-extreme-conditions-innovations-tested-by-the-war-29-06-23/>

Before 24 February 2022

Ukraine was perfect place for clinical trials performance

- **About 2500** research sites
- **Around 500** clinical trials
- **Approximately 40-50%** were oncology trials



After 24 February 2022

Main aim is to help patients and save the data for Sponsors

- **Majority of sites continues** patients' treatment in clinical trials
- **New patients' randomization is not allowed**
- **No new clinical trials started** within the war period

Ukraine has been receiving unprecedented support from civilized World.
Thank you to all of you!

Previous Publications for the Topic

≡ MENU

[JCO Global Oncology](#) > [List of Issues](#) > [Volume 8](#) >

REVIEW ARTICLES | [Cancer Prevention and Control](#)

The Armed Conflict and the Impact on Patients With Cancer in Ukraine: Urgent Considerations

[Christian Caglevic](#) ^{id}, MD^{1,2} ✉; [Christian Rolfo](#) ^{id}, MD, PhD, MBA, Drhc³; [Ignacio Gil-Bazo](#) ^{id}, MD, PhD⁴; [Andrés Cardona](#) ^{id}, MD, MSc, PhD, MBA⁵; [Jorge Sapunar](#), MD¹; [Fred R. Hirsch](#) ^{id}, MD, PhD⁶; ...



ELSEVIER

Annals of Medicine and Surgery

Volume 80, August 2022, 104271

Correspondence

Healthcare system amidst the war in Ukraine

[Anastasiia D. Shkodina](#) ^{id} ✉, [Hitesh Chopra](#) ✉, [Inderbir Singh](#) ✉, [Shoaib Ahmad](#) ✉, [Dmytro I. Boiko](#) ✉

Current State of Clinical Trials Impacted by the War in Ukraine

BY TYLER HOEY, CORTNEY MILLER AND SHAWN ROACH
THU, MAY 12TH 2022

In War-Torn Ukraine, Clinical Trials Trudge Along

By Deborah Borfitz

The continuation of clinical trials in times of war: A need to develop ethics and situationally adaptive clinical research guidelines

[Chieko Kurihara](#)^{1††}, [Francis P. Crawley](#)^{2†}, [Varvara Baroutsou](#)^{3†}, [Sander Becker](#)^{4†},

[Brigitte Franke-Bray](#)^{5†}, [Courtney A. Granville](#)⁶, [Kotone Matsuyama](#)^{7†}, [Shehla Naseem](#)^{8†},

[Johanna Schenk](#)^{9†} and **WIRED** BACKCHANNEL BUSINESS CULTURE GEAR IDEAS MORE ▾ SIGN IN

GRACE BROWNE SCIENCE MAR 14, 2022 7:00 AM

The War Puts Ukraine's Clinical Trials—and Patients—in Jeopardy

Future technologies of Site management.

Prof. Igor Bondarenko, MD, PhD,
Head of Oncology and Medical Radiology Department,
Dnipro State Medical University

Tested by the War DIA

Most of the clinical trials will be completed within 2-3 months.

This is a great challenge for hundreds of experienced specialists and thousands of patients.

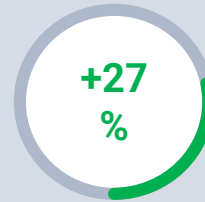
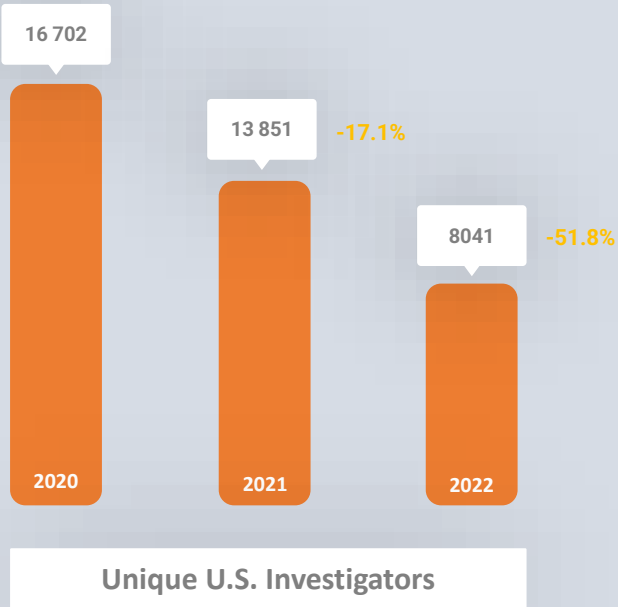
Ukraine has safe locations to conduct new clinical trials.

Sponsors Companies of clinical trials – please come back to Ukraine.

This will be the best solidarity reflection with Ukraine!

Thank you

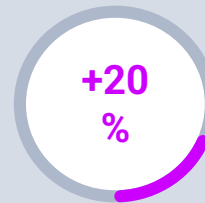
Clinical Trials Statistics



↑ Number of endpoints



↑ Number of trials with 3-4 arms



↑ Number of trials with 5 arms

CLINICAL TRIALS BECOME HARDER TO CONDUCT

Phesi Report: Assessing Single Patient Investigator Sites in Cancer Clinical Trials

Published on: January 25, 2023

Gen Li, PhD, MBA



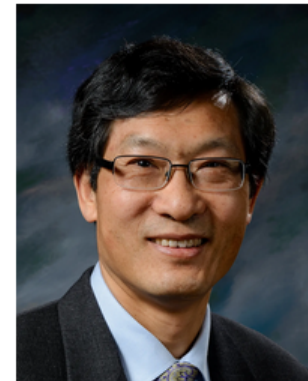
Already existing enrollment challenges emphasized by single patient sites.

Patient enrollment performance is a chronic challenge in clinical development. Three years of the COVID-19 pandemic has caused a number of investigators to back out from participating in clinical trials, and the war in Ukraine has reduced geographic coverage for trials in various indications. Moreover, a global economic downturn and intensifying global inflation have made already costly clinical trials more expensive.

In this report, we leverage site level patient enrollment data in Phesi's Trial Accelerator platform to assess the number of investigator sites that have recruited only one patient, the impact from those sites, and possible methods to improve enrollment.

The dataset

A total of 173 cancer clinical trials with site level enrollment data, the majority conducted in the past three years, are included in this analysis. Most of the trials severely impacted by COVID-19 are not included. Overall, cancer trials take at least three years to complete and publish results; the cancer trials started before or during the pandemic and affected by the shutdown do not yet have available enrollment data. In the dataset, there are 11,826 investigator sites that enrolled one or more patients, totaling 83,916 patients.



Gen Li

Phesi and Tufts CSDD analysis of 173 cancer trials

19%

of all sites

contribute **less than 3%**
of the enrolled patients

11%

of all sites

fail to enroll **a single**
patient

37%

of all sites

under-enroll

16%

of all sites

contribute **54%** of the
enrolled patients

Case study: Examples of successful enrollment

Igor Bondarenko, MD, PhD, from Ukraine is one of the most prolific investigators among the 173 trials. He enrolled 113 patients for the 11 trials in which he participated. The median number of patients he enrolled is nine. There is no trial where he enrolled only a single patient.



Is it possible to conduct clinical trials during war?

Workload of Professor Igor Bondarenko site (Dnipro, Ukraine) since 24.02.2022 (martial law period)

- Total number of conducted clinical trials - 44
- Total number of patient's visits - 3987
- Laboratory tests - 3291
- Intravenous infusions – 1800
- IP (tablets) dispensing - 1048
- Injections - 179
- ECG - 831
- CT examinations (tumor assessment) - 1117
- Telephone Follow Up – 861



I AM PROUD OF MY TEAM!

Highly Cited Researchers (329) in Oncology

Country	Number of HCRs
United States	140
France	15
Germany	15
United Kingdom	12
Italy	10
Republic of Korea	10
Australia	8
Spain	6
China	5
Belgium	3

Country	Number of HCRs
Canada	3
Japan	3
Netherlands	3
Switzerland	3
Ukraine	1
Greece	1
Poland	1
Singapore	1
Taiwan	1

Institutions with Highly Cited Researchers in Oncology


Institution	Number of HCRs	Institution	Number of HCRs
Memorial Sloan Kettering Cancer Center, United States	45	Institute of Cancer Research - UK, United Kingdom	2
UTMD Anderson Cancer Center, United States	22	Seoul National University (SNU), Republic of Korea	2
Dana-Farber Cancer Institute, United States	10	Yonsei University, Republic of Korea	2
Harvard University, United States	9	Kindai University (Kinki University), Japan	2
Universite Paris Saclay, France	7	Asan Medical Center, Republic of Korea	1
American Cancer Society, United States	4	Chungbuk National University, Republic of Korea	1
Yale University, United States	3	University of Montreal, Canada	1
University of Sydney, Australia	3	Netherlands Cancer Institute, Netherlands	1
University of Milan, Italy	3	University of Zurich, Switzerland	1
Sungkyunkwan University (SKKU), Republic of Korea	3	National & Kapodistrian University of Athens, Greece	1
...		Ulsan National Institute of Science & Technology (UNIST), Republic of Korea	1
University of Barcelona, Spain	2	Nanyang Technological University, Singapore	1
Dnipro State Medical University, Ukraine	1	National Taiwan University, Taiwan	1

Highly Cited Researchers

- 2022 Recipients**
- Researcher stories
- Analysis
- Methodology
- Past lists
- FAQs

Award category ▾ Institution ▾ Ukraine ▾

Search by name [Submit](#)

FULL NAME	CATEGORY	PRIMARY AFFILIATION	SECONDARY AFFILIATIONS
 Bondarenko, Igor M.	Clinical Medicine	Dnipropetrovsk State Medical Academy, Ukraine	View Profile

Clinical Trials Challenges During War in Ukraine

Human Resources



- 1 **Patients relocation** makes further participation in trial less possible
- 2 **Site's staff relocation** causes the lack of experienced investigators and coordinators
- 3 Inability to perform clinical trial **activity in sites close to battle fields**

Data Resources

- 1 Logistic issues causes **delayed in sample handling** and sites supply
- 2 CRO and sites have to adapt quick solutions to **enable remote monitoring**
- 3 High **risk of data loss** due to air attacks



New Paradigm for future clinical trial process

Fast

Less Expensive

More Accurate

Motivate Site

Remote Technologies

Assist

Sponsor creates protocol
and
Site Assistant System
for all sites around the world

Create

One **super template**
for specific clinical trial
for all involved sites

Interact

Multi-lingual system
provides easy communication

2.2 Research project description template ***EURIZON FELLOWSHIP PROGRAMME*** ***“Remote Research Grants”***

Valid applications need to be submitted through the website: <https://indico.desy.de/event/38700/> by the Principal Investigator of the Ukrainian team before May 8th 2023 at 12:00 Pm (noon) CEST time. Before applying please read carefully the Terms of Reference (ToR).

Title¹ of the research project: *(max 30 words)*

Developing a new paradigm for conducting oncology clinical trials during emergencies

submitted by

PRINCIPAL INVESTIGATOR (PI)²:

*First name and Family name
(English)*

Igor Bondarenko

What should be done?



Step 01

Investigate research site problems



Step 02

Learn the experience of successful site



Step 03

Implement appropriate software solutions



Step 04

Share applied principles with others

SITE ACTIVITIES' PROBLEMS

- 1 Quality of data and timing in complex trials
- 2 Safe drug storage and accountability
- 3 No on-site monitoring
- 4 Accuracy and timing of payments
- 5 Fast and quality communication

SITE SOLUTIONS – NEW SOFTWARE Clinical Trials Site Management System (CTSMS) - MCR

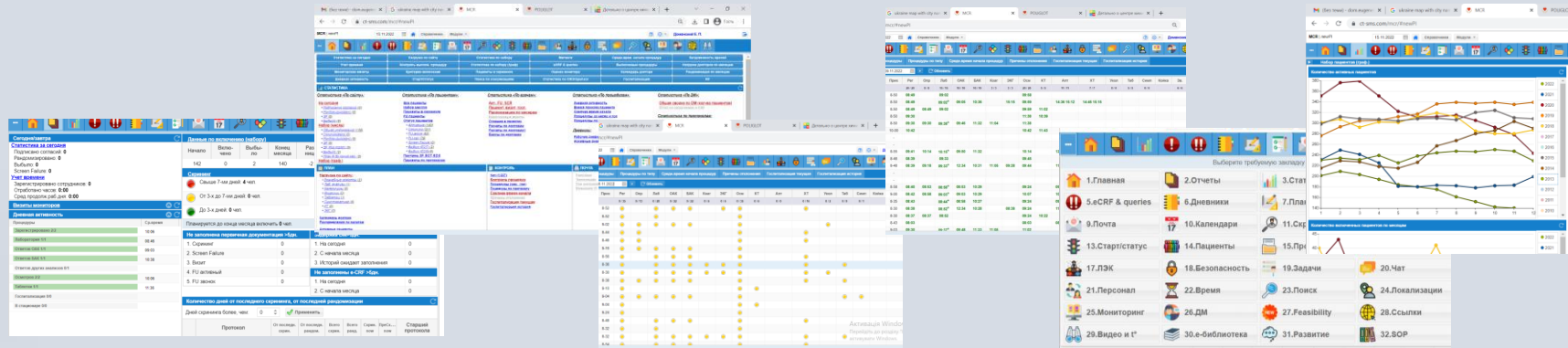
- 1 Site Support System
Prevent mistakes, stick to the protocol
- 2 Pharmacy management tool
Help to avoid drug insufficiency
- 3 Software for remote monitoring
Secure, comfortable, 24/7 (365)
- 4 Automated system for precise invoicing
Accurate, fast, without errors
- 5 Multilingual automatic translation system – Polyglot™
Available at least 17 languages



CTSMS

Clinical Trials Site Management System

one step ahead to open the future of clinical trials



COMPETITION

MCR

Focused on
Site Activities
+
Sponsor Activities
and
CRO Activities

Focused on
Sponsor Activities
and
CRO Activities



COMPETITION

MCR

Site Activities

- ✓ Site departments workflow
- ✓ Each department has it own dashboard
- ✓ In-depth planning
- ✓ Procedures' execution control
- ✓ Medical documents creation
- ✓ Drug storage and accountability
- ✓ Complete principal investigator awareness
- ✓ Possibility to auto complete EDC from CTSMS
- ✓ Remote monitoring
- ✓ Trials procedures tracking and invoicing
- ✓ LEC/IRB communication tool
- ✓ All solutions in one system

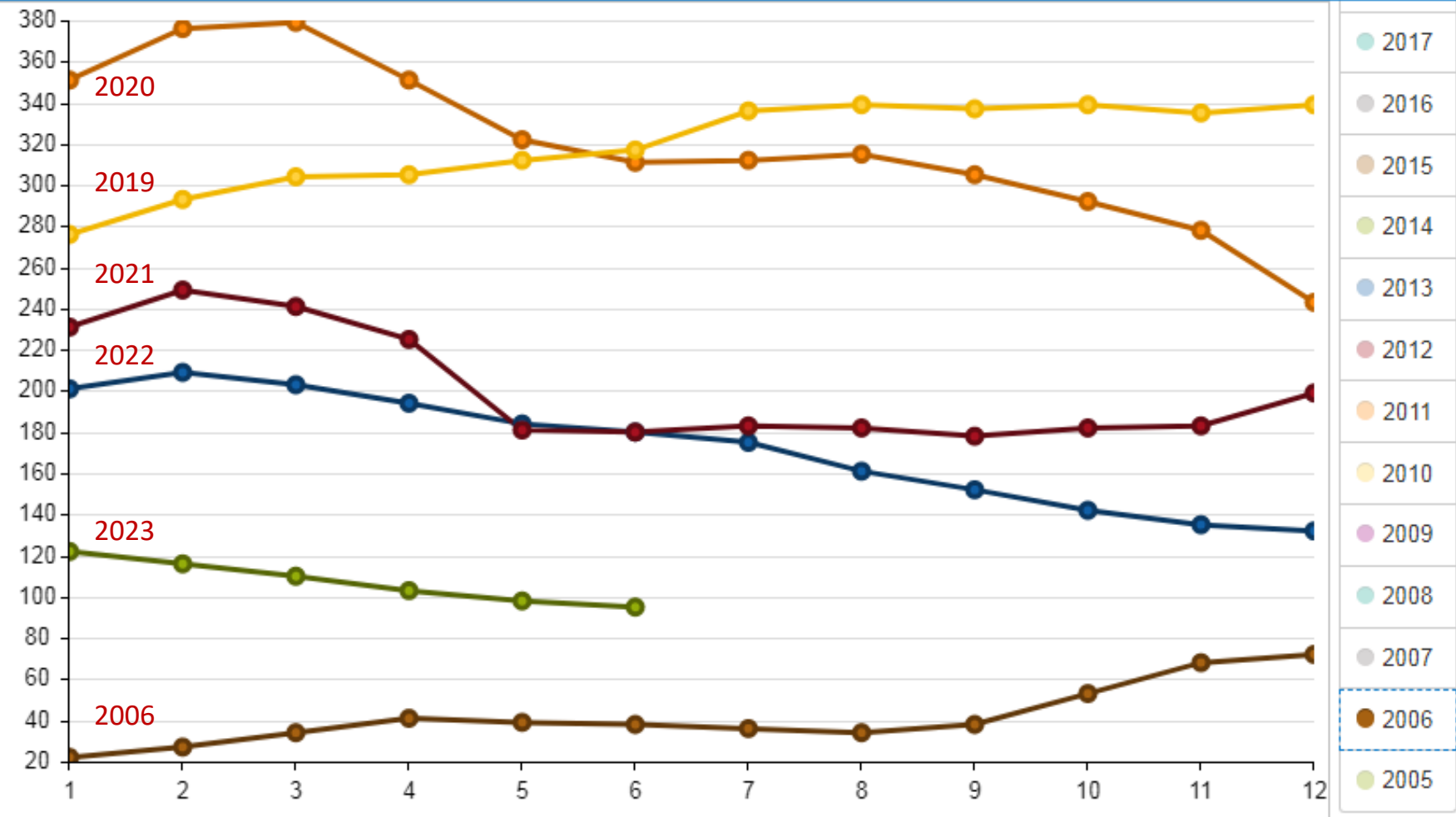


Sponsor/ CRO Activities

- General planning
- Data capture solutions
- Overall statistics
- Budgeting

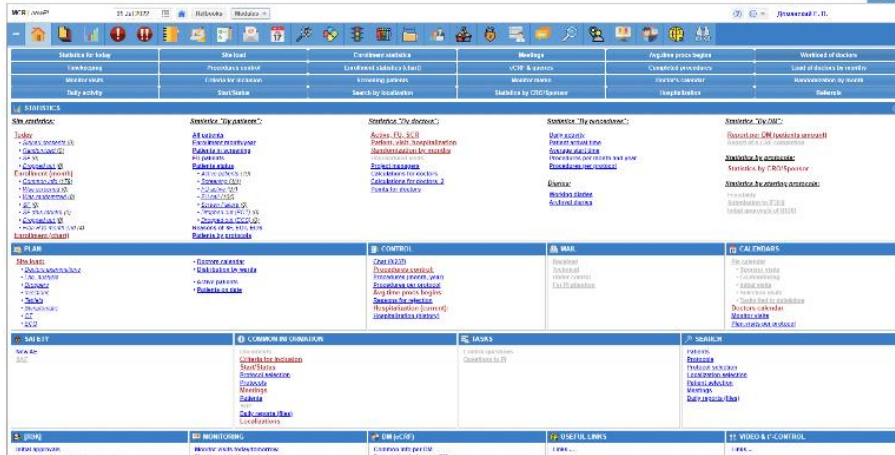
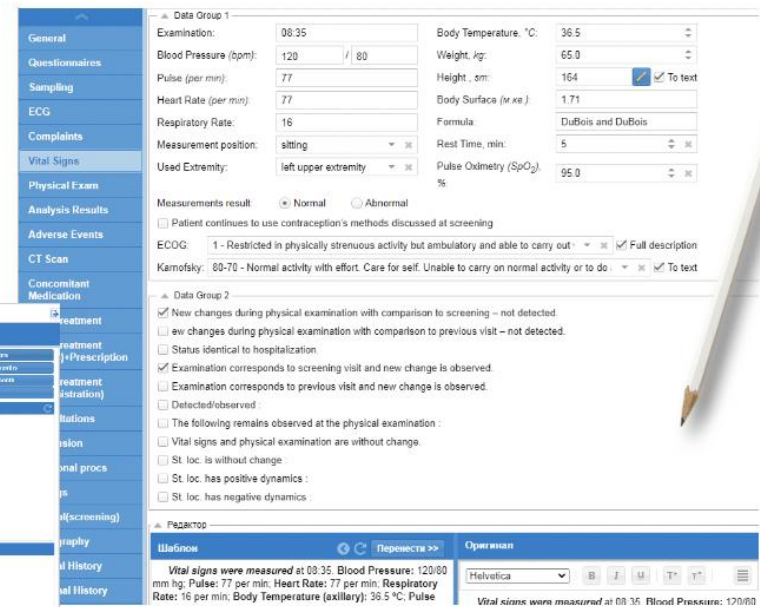
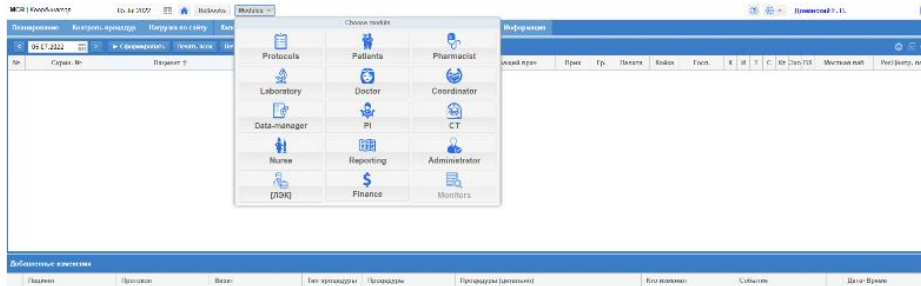


Number of Active Patients

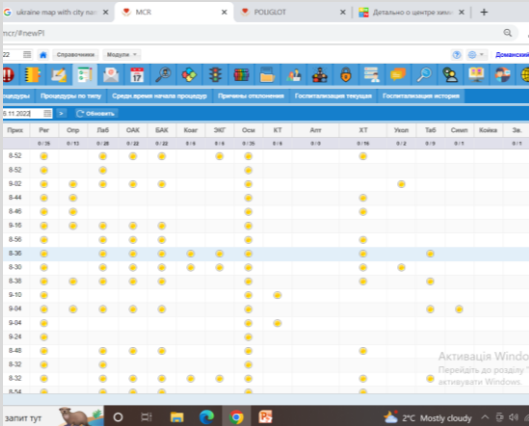


MCR - Smart clinical trials site management Platform

aimed to coordinate and arrange all activities from site selection through trial conduction to authorities' inspection



CTSMS – MCR (Medical Clinical Research)



Прок.	Рег	Отр	Лаб	ОАК	БАК	Коар	ЭКГ	Оса	КТ	Алт	ХТ	Уреа	Таб	Смак	Колка	За.
8.12	21:20	8:4	15:15	16:16	16:16	3:13	3:13	20:26	5:15	16:11	7:17	6:8	5:15	6:10		6:8
8.13	08:49		08:52					08:58								
8.14	08:49	08:49	08:52	08:55	10:36		16:15	08:59	11:02	14:36	15:12	14:45	15:15			
8.15	09:30							11:38	10:38							
8.16	09:30	09:30	09:38*	09:46	11:32	11:04		11:38								14:22
8.17	10:00	10:42						10:42	11:43							
8.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14:22
8.19	09:41	10:14	10:15*	09:50	11:32			10:14	12:14	12:51				13:06		
8.20	08:39		08:33					08:45								
8.21	08:39	09:18	09:31*	12:34	10:31	11:05	09:28	09:44	11:53	13:48	12:36	12:36		12:25		
8.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	09:18
8.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	08:54
8.24	08:40	08:53	08:49*	08:53	10:29			09:53	13:35					10:19		
8.25	08:42	08:58	08:51*	09:53	10:29			10:57	12:07	14:06				10:19		
8.26	08:43	08:41	08:41*	08:58	10:37			09:48	10:47	10:22	10:52					
8.27	08:38	08:38	08:52*	12:34	10:26		08:38	09:24	11:47	12:43				13:22		
8.28	09:37	09:37	09:52					09:24	10:32							
8.29	08:03							08:03		08:18	14:23	09:33	12:56			
8.30	09:36	10:19*	09:48	11:33	11:06			11:02								

Main dashboard with navigation menu and central grid of buttons for various modules. The right sidebar contains a list of items including 'Статистика по выборке', 'Митинги', 'Скрининг', and 'Контроль'.






























Reporting and monitoring section. Includes a summary for 'Сегодня/завтра', a table for 'Данные по выбранному набору', and a 'Скрининг' section with a table of screening results.

Начало	Взно-сно	Выбы-ло	Конеч	Разни-ца	Скрин	Скрин	FU	FU
142	0	2	140	-2	2	0	93	79



Main menu with 32 numbered items: 1. Главная, 2. Отчеты, 3. Статистика, 4. Оценки М, 5. eCRF & queries, 6. Дневники, 7. Планы, 8. Контроль, 9. Почта, 10. Календари, 11. Скрининг, 12. Критерии, 13. Старт/статус, 14. Пациенты, 15. Протоколы, 16. Митинги, 17. ЛЭК, 18. Безопасность, 19. Задачи, 20. Чат, 21. Персонал, 22. Время, 23. Поиск, 24. Локализация, 25. Мониторинг, 26. ДМ, 27. Feasibility, 28. Ссылки, 29. Видео и т*, 30. библиотека, 31. Развитие, 32. SOP.

Poliglot

		Abbr	Language		Text
1	<input type="checkbox"/>	en	English	 	Thank you all for your attention! We wish peace and prosperity!
2	<input type="checkbox"/>	uk	Ukrainian		Дякуємо всім за увагу! Бажаємо миру та процвітання!
3	<input type="checkbox"/>	ru	Russian	 	Благодарим всех за внимание ! Желаем мира и процветания !
4	<input type="checkbox"/>	de	Deutsch	 	Vielen Dank für Ihre Aufmerksamkeit! Wir wünschen Frieden und Wohlstand!
5	<input type="checkbox"/>	pl	Polish	 	Dziękuję wszystkim za uwagę! Życzymy pokoju i pomyślności!
6	<input type="checkbox"/>	it	Italian	 	Grazie a tutti per l'attenzione! Auguriamo pace e prosperità!
7	<input type="checkbox"/>	es	Spanish	 	¡Gracias a todos por su atención! ¡Deseamos paz y prosperidad!
8	<input type="checkbox"/>	fr	French	 	Merci à tous pour votre attention ! Nous souhaitons la paix et la prospérité!
9	<input type="checkbox"/>	nl	Nederlands	 	Dank u allemaal voor uw aandacht! Wij wensen vrede en voorspoed!
10	<input type="checkbox"/>	pt	Portuguese	 	Obrigado a todos pela atenção! Desejamos paz e prosperidade!
11	<input type="checkbox"/>	cs	Czech		Děkuji všem za pozornost! Přejeme mír a prosperitu!
12	<input type="checkbox"/>	tr	Turkish		İlginiz için hepinize teşekkür ederim! Barış ve refah diliyoruz!
13	<input type="checkbox"/>	he	Hebrew		תודה לכולכם על תשומת הלב! אנו מאחלים שלום ושגשוג
14	<input type="checkbox"/>	zh	Chinese	 	谢谢大家的关注! 我们祝和平与繁荣!
15	<input type="checkbox"/>	ar	Arabic		شكرا لكم جميعا على اهتمامكم! نتمنى السلام والازدهار
16	<input type="checkbox"/>	ja	Japanese	 	ご清聴ありがとうございました！私たちは平和と繁栄を願っています！
17	<input type="checkbox"/>	ko	Korean	 	관심을 가져 주셔서 감사합니다! 우리는 평화와 번영을 기원합니다!

Available Site Solutions

eConsent

ePRO/eCOA

eSource

eSiteFile

Telehealth

Recruitment portals

Remote monitoring

cover **SOME** processes around
research site and **NO**
processes within the site

Site Crucial Processes



Site Departments' Activities Planning



Tracking and Controlling of all ongoing Processes



Coordinating Site's Team and Units



Source Recording of Protocol Specific Data



Financial Tracking and Motivation

Essential MCR Services

01

Deep planning

Full protocol and site activities scheduling

02

All activities control

Supervise each step in trial conduction

03

Create medical documentation

Quality and accuracy of data

MCR - Smart clinical trials site management Platform

aimed to coordinate and arrange all activities from site selection through trial conduction to authorities' inspection

The screenshot displays the MCR - Smart clinical trials site management Platform interface. It features a top navigation bar with icons for Home, Dashboard, and Reports. The main content area is divided into several sections:

- General Information:** Includes fields for Patient ID, Date Group, Examination, Blood Pressure (systolic/diastolic), Pulse per min, Weight (kg), Height (cm), and Body Surface (m²).
- ECG and Respiratory Data:** Includes fields for ECG, Respiratory Rate, Measurement position, and Pulse Oximetry (SpO₂).
- Physical Exam and Adverse Events:** Includes fields for Physical Exam, Adverse Events, and CT Scan.
- Table of Patient Data:** A table with columns for Patient ID, Date Group, Examination, Blood Pressure (systolic/diastolic), Pulse per min, Weight (kg), Height (cm), and Body Surface (m²).
- Observations and Comments:** A section for recording observations and comments, including a dropdown for Data Group and a text area for the observation.

04

Remote mode of work

Remote Data-management and monitoring

05

Automated invoicing

100% automated payments managements

06

Multilanguage usage

User interface and documents creation in at least 17 languages

MCR COVERS THE WORK OF ALL DEPARTMENTS



Protocol



Laboratory



Data-management



Nurse



LEC / IRB



Patient



Doctor



PI



Report



Finance



Pharmacy



Coordinator



CT



Administrator



CRA

MIS – Medical Information Systems



МІА:Здоров'я



DEEP PLANNING

Use study schedule

Adjust site routine activities

Inform internal departments

Form the base for all time points

15
0

**Key Questions
for Site Initiation Visit**

Analysis deep planning example

21 parameters are required to plan one analysis

Analysis parameters (EOT > Q2 Solution (QL) > Blood for Plasma Biomarker Analyses)

Parameter	Value
Analysis name	Blood for Plasma Biomarker Analyses
Ambient/frozen	Ambient
Component	Plasma
Uphold	No
Uphold, min	0
Centrifuge process	No
Centrifuge process, min.	0
Cold centrifuge	No
Centrifuge speed, rot/min	0
Centrifuge turn	0
Storage temperature	0

Test tubes

Name		Amount	t, °C	Courier	Send in, days	Pre./ post dose	Drug	Starting point	Time			
Lab kit	Tube/ slide								From		to	
								t...	m..	t...	m..	

ACTIVITIES CONTROL

All planned activities appear on the day schedule.
Once the procedure is marked as done, the time of completions will be saved

Regi...	Que...	Lab	ECG	Exa...	CT	Chemothe...	Injec...	TAB	Sympt	B...	Call
0/8	0/1	0/6	0/1	0/8	0/0	0/5	0/0	0/3	0/2		0/3
●		●		●		●					●
●		●		●		●					
●		●	●	●		●					
●		●		●		●					●
●		●		●		●					



Arrival	Regis...	Quest...	Lab	ECG	Exami...	CT	Chemothe...	Injecti...	TAB	Sympt	Berth	Call
8-38	08:12	08:30*										
8-33	08:12	08:27*										
8-30	08:30	08:30*										
8-40	08:43				08:43							
8-35	08:30	08:43*	08:30									
-												●
8-48	●				●				●			

- ✓ Patient registration
- ✓ Study drug dispensing
- ✓ CT
- ✓ Questionnaires completion
- ✓ Study drug infusion
- ✓ Bad occupied
- ✓ Analysis collection
- ✓ Injection
- ✓ FU phone call
- ✓ Analysis results
- ✓ Oral drug administration
- ✓ ECG
- ✓ Examination
- ✓ Symptomatic treatment

Critical time-points are registered, used for performance analysis and study activities management

MEDICAL RECORDS CREATION

General

Questionnaires

Sampling

ECG

Complaints

Vital Signs

Physical Examination

Analysis Results

Adverse Events

CT

Concomitant Medication

Study Treatment

Consultations

Conclusion



Patient record is divided according to standard procedures and each section is placed chronologically based on sequence order

Select data from drop-down menu
or
Enter data manually

▲ Data Group 1

Scheduled Visit?: Yes

Sentence: hospitalized

Sentence 2: for the first course of treatment

and
site assistant will create the sentence

Patient was hospitalized for the first cycles of treatment within the scheduled time frame

TEMPLATING

Study Protocol

Lorem ipsum dolor sit amet. Sed sequi nostrum hic cupiditate voluptatem qui amet magnam qui minus interios quo doloremque provident. Ex quibusdam libero est quon omnis qui voluptate dignissimos ea voluptatem cupiditate ea quidem minus et delendi distinctio et alias assumenda.

PK postdose must be collected at the end of IP infusion, 2 and 4 hours after the end of IP infusion.

Ut velit beatae non cumque repellendus qui maiores iure est magni aperiam. Cum perferendis nihil vel consequatur dolorum ea dignissimos consequatur. Et excepturi perferendis aut soluta debitis sed delendi veniet eum blanditis aspernatur eum dolores eius et obcaecati enim. Ut quibusdam iste eos officia doloremque et aliquid molestias.



Any protocol-specific data can be added to medical record template for a particular study and doctor will never forget to evaluate such data

Action order (Template: M)

	Drug	Form	Prompt	Text
7	M	Text	Введення препарату виконувалося в праву/ліву ліктьову вену.	Введення препарату виконувалося в праву/ліву ліктьову вену.
8	M	Summary of input		
9	M	Patient data	в кінці інфузії (EOI) (± 10 хвилин)	
10	M	/Postdose	End of M infusion (+ 10 min)	
11	M	Patient data	через 1 годину (± 10 хвилин) після завершення інфузії.	
12	M	/Postdose	2 hours after end of M infusion (± 10 min)	
13	M	Patient data	через 3 години (± 10 хвилин) після завершення інфузії.	
14	M	/Postdose	4 hours after end of M infusion ± 10 min	

EDC/eCRF DATA

Vital Signs – Day 1 Cycle 12

Date of vital signs

Weight

Systolic blood pressure mmHg

Diastolic blood pressure mmHg

Heart rate g beats/

Temperature

Save Cancel

Пацієнт планово прибув до клініки для візиту спостереження.
Загальний стан пацієнта задовільний, без негативної динаміки з попереднього візиту.

У 08:20 пацієнт здав аналіз крові у центральну лабораторію (Q2Solution)

Скарги.
Нових скарг не пред'являє. Попередні скарги зберігаються без динаміки.

Об'єктивно о 08:40 АТ: 126/73 мм рт. ст.; Пульс: 65 /хв.; Чсс: 65 /хв.; ЧД: 16 /хв.; Температура тіла (аксиларно): 36.3 °С.
Вимірювання вітальних функцій проведені в положенні хворого сидючи, після 5 хв. відпочинку.
Вага : 78.5 кг.; **Площа тіла (за формулою Мостеллер)** = 1.97 м².

ЕКОГ - 1 бал.
Нових змін при огляді в порівнянні з попереднім візитом - не виявлено.
При огляді зберігається : зниження маси тіла на 10%, в порівнянні з скринінгом (CS).
St. loc. без змін: без динаміки.

Негативні явища
- **зниження ваги 2 ст.** СТС з 26.10.2021, не вирішилось.
Серйозних негативних явищ немає.

Супутня терапія - не приймає

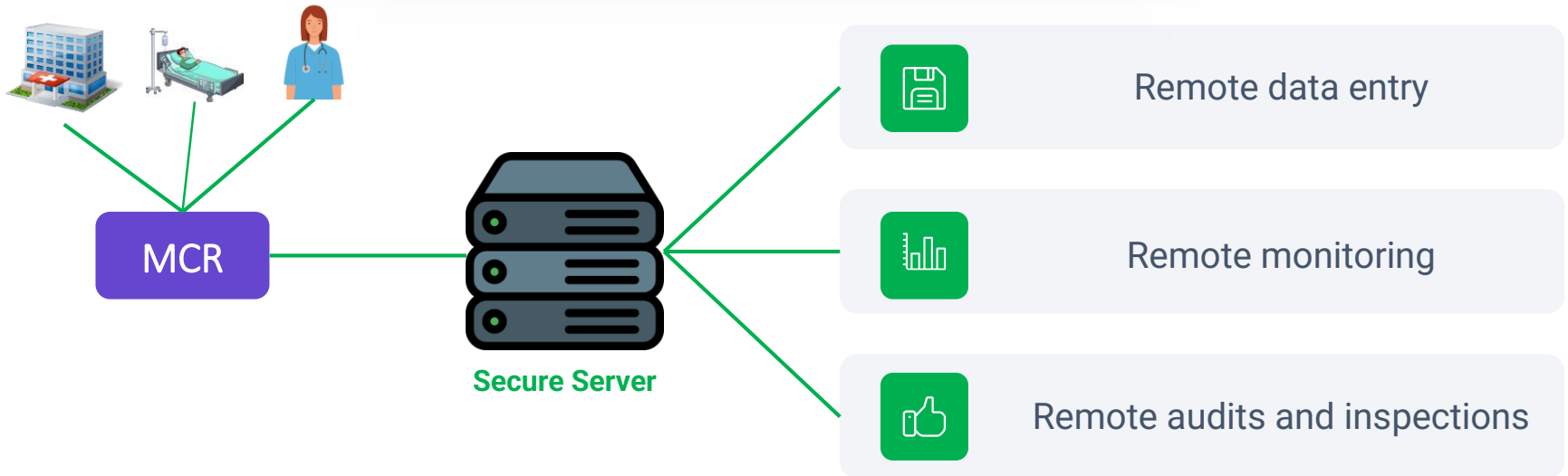
КТ
Пацієнту виконано планову СКТ: **ОГК без контрастування**.
Висновок від радіолога на даний момент не отриманий.

За технічних причин, виконати МРТ ОЧП та ОМТ не можливо. Пацієнт записан на дослідження 06.10.2022.

Висновок:
З пацієнтом проведена бесіда, що при появі нових скарг, погіршенні самопочуття - своєчасно інформувати лікаря-дослідника.
Рекомендовано спостереження онколога, сімейного лікаря за м/проживання.
Продовжувати прийом раніше призначеної супутньої терапії, згідно з рекомендаціями.
Дата наступного візиту: 06.10.2022 / МРТ ОЧП та ОМТ
Пацієнт в задовільному стані відпущений додому самостійно.

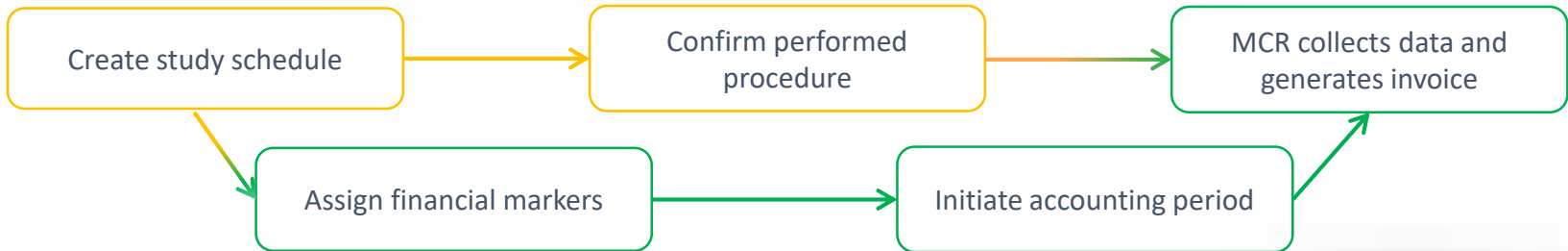
Identify data you need in EDC/eCRF and MCR will highlight it in source and/or transfer it

REMOTE WORKFLOW



Any data collected on site, including paper source documents, is transformed into certified copy, which allows 100% remote activities with such data

AUTOMATED INVOICING



Financial marker can be assign to a study group, visit, procedures or event

Each financial marker has a corresponding reference to agreement

All invoices are divided by initiated by sponsor or initiated by site

Any clinical trial has its own invoicing schedule

INVOICE

- ✓ Planned
- ✓ Unplanned
- ✓ Additional
- ✓ Study procedures
- ✓ Site Activities
- ✓ Any data

Real Data From Site

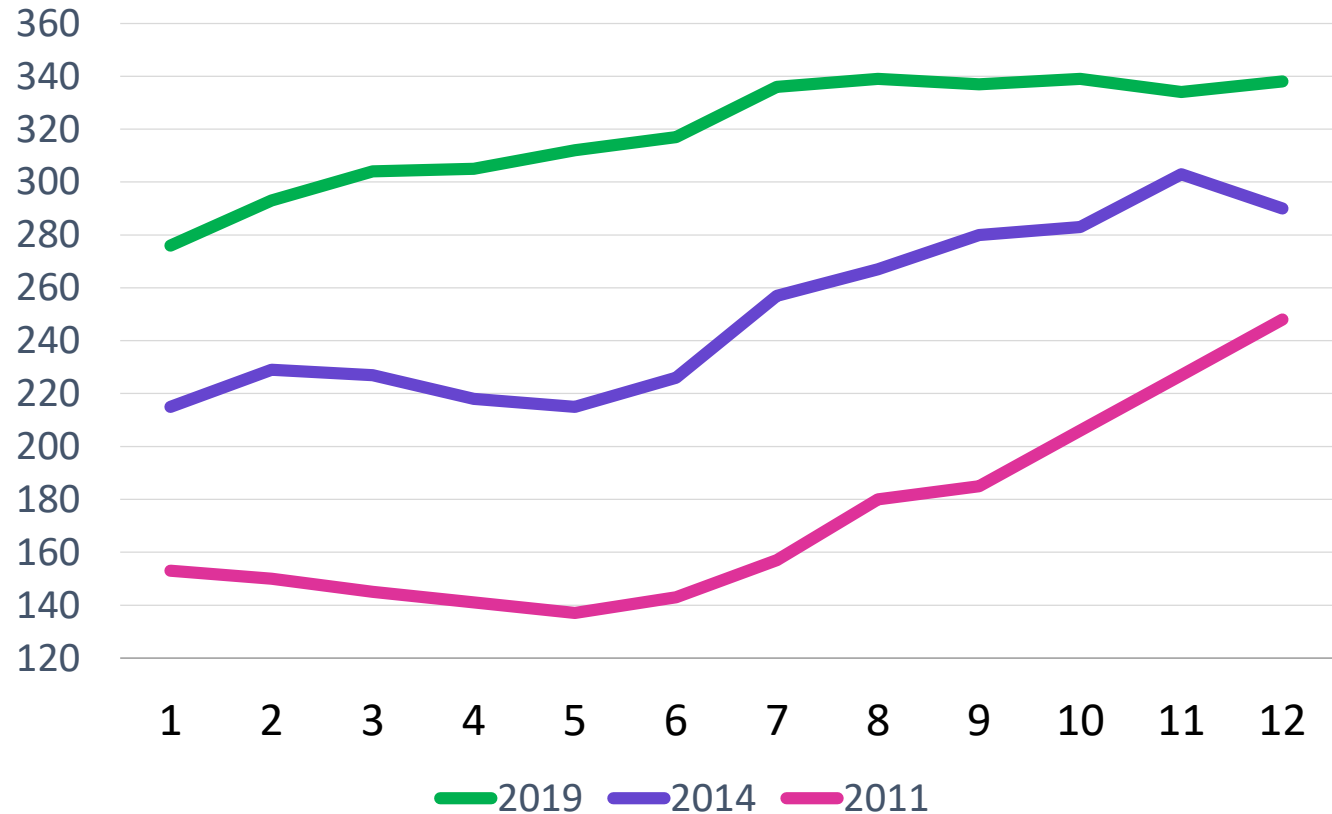
ACTIVE PATIENTS PER MONTH/YEAR CHART

2011 – «Deep Planning» tool was implemented

2014 – «Medical Records Creation» tool was implemented

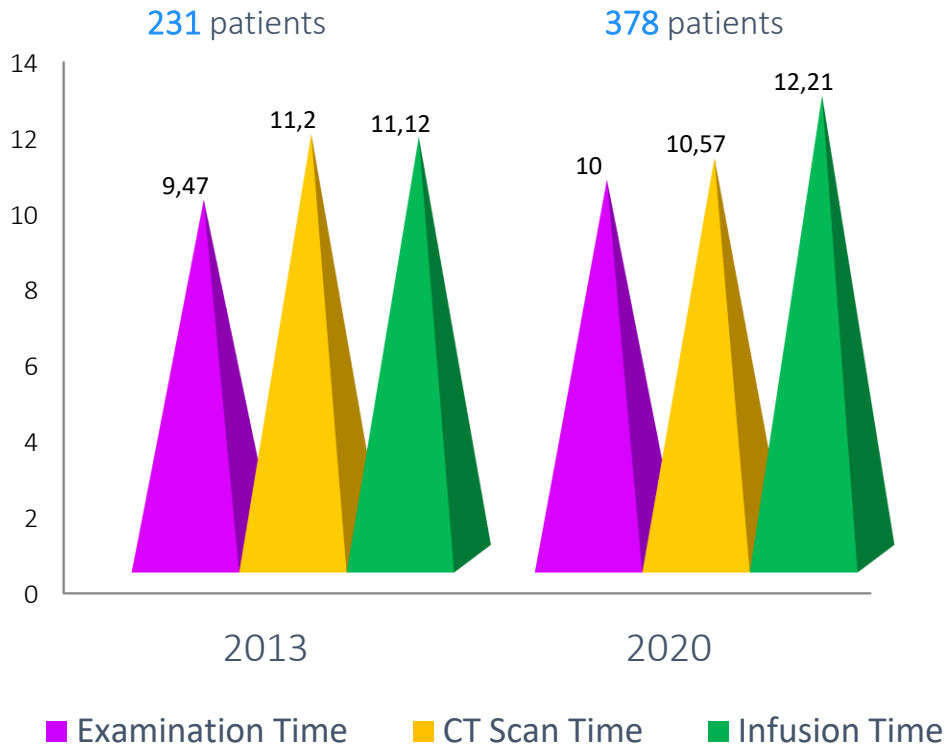
2019 – Starting to analyze statistical data from MCR

Every implemented module of MCR significantly improves productivity and integrity of a research site



Real Data From Site

PROCEDURE AVERAGE START TIME PER DAY



Only well-measured, thought-through planning and coordination with MCR tools helps us to perform more procedures per day within the same number of resources

Physicians

18

Nurses

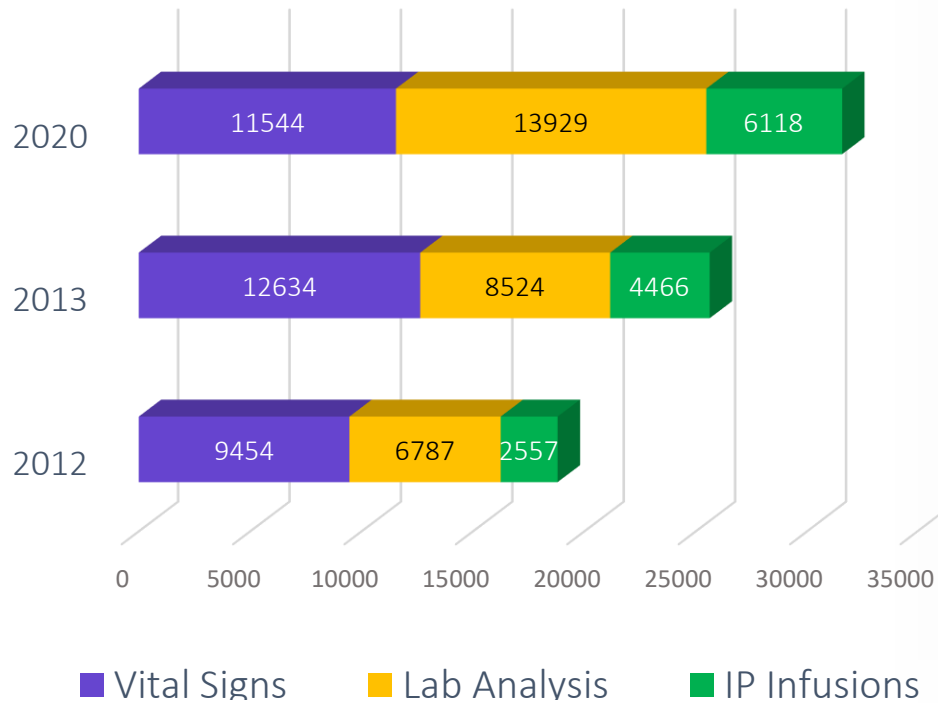
4

Patient beds

36

Real Data From Site





NUMBER OF PROCEDURES DONE PER YEAR



MCR helps to sophisticate advancements and increase departments' workflow.

Since 2012 MCR is actively used at our testing research site and shows amazing progress.

KNOWLEDGE CENTER

-  Videos & Presentations
-  Manuals & Handouts
-  Live Meeting & Conferences
-  On-line chats with Specialists



Watch



Read



Attend



Ask

TOPICS

- ✓ Feasibility
- ✓ Selection
- ✓ Sponsor collaboration
- ✓ IRB/LEC
- ✓ Contracting
- ✓ Study start up preparation
- ✓ Study Initiation
- ✓ First Patient
- ✓ Treatment
- ✓ Completing medical charts
- ✓ Site Departments involvement
- ✓ Working with sponsor tools
- ✓ Monitoring
- ✓ Correspondence
- ✓ EOT and FU activities
- ✓ Invoicing
- ✓ Close out
- ✓ Archiving
- ✓ Audits and inspections
- ✓ Publications

and more...

Who needs knowledge center?

Sites

Regardless of experience

Sponsors

Intending to increase site productivity

Beginners

Who knows little or nothing about trials

Everyone

Who wants to join the community

MENTOR SERVICE



Evaluation team

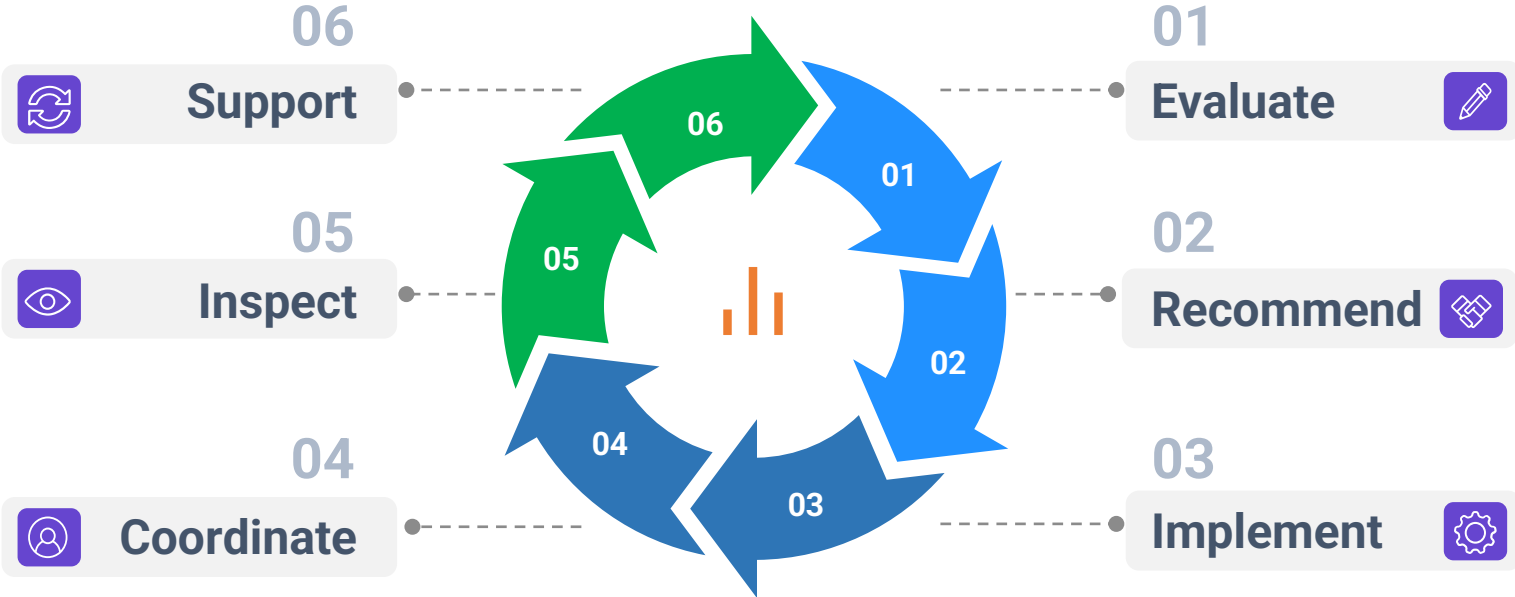


Coordination team



Support team

Mentor Service Workflow



How can we cooperate?

Learn your mode of work

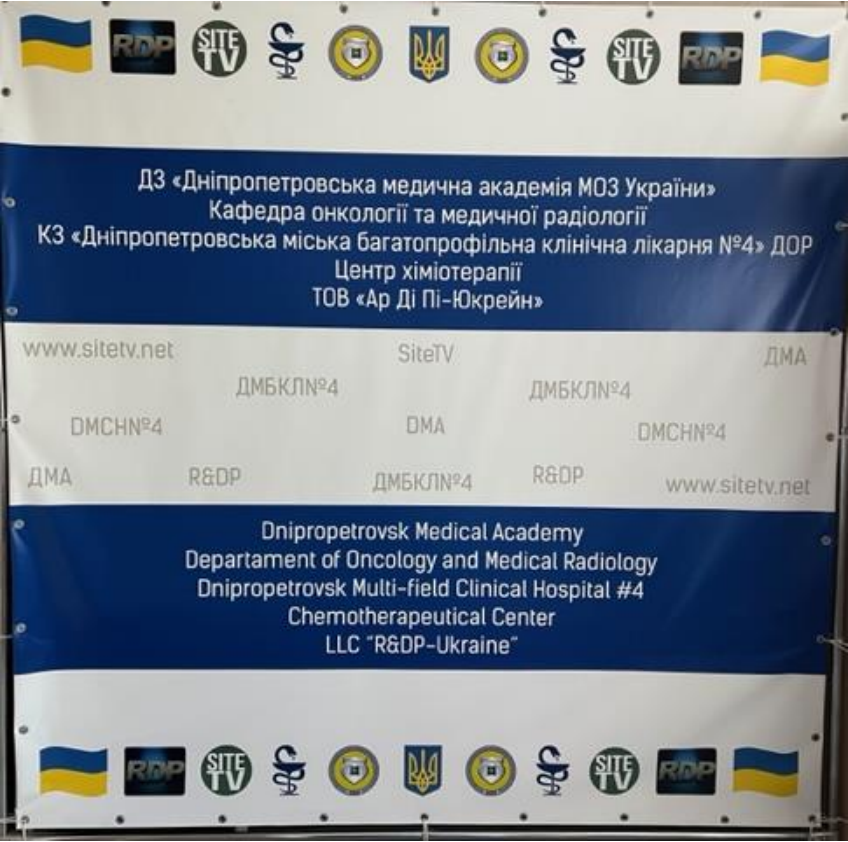
Present our mode of work

Mutual development implementation

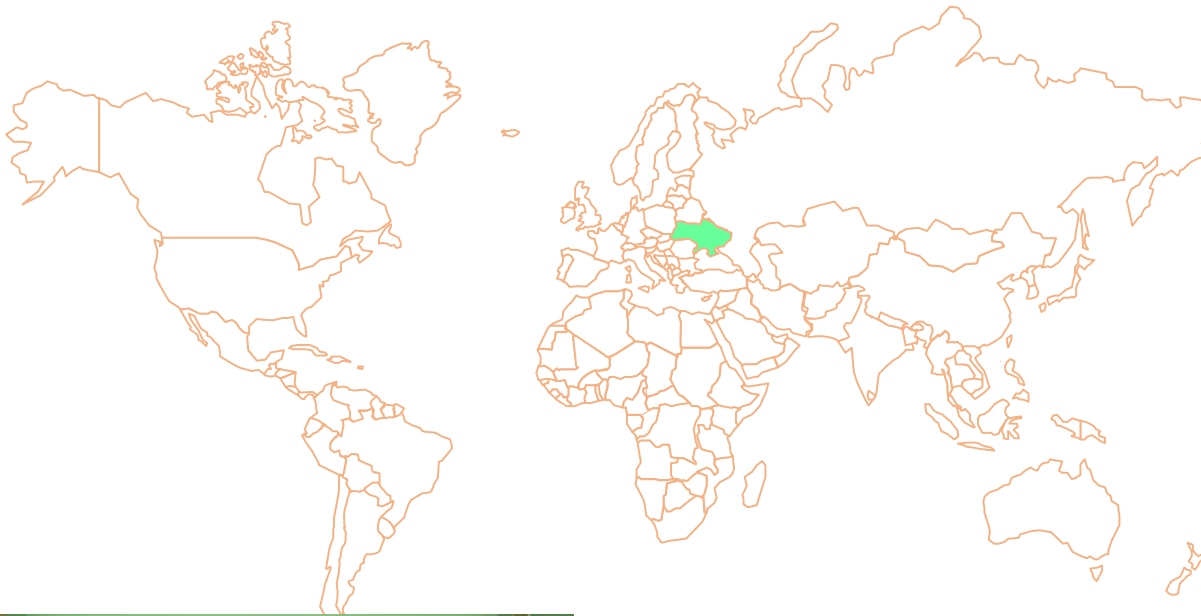
Promote new paradigm of clinical trial conduction

Grant support of CTSMS MCR

Gratitude to our partners all around the world !



OUR ACHIEVEMENTS SINCE 2002



Dnipro State Medical University,

City Clinical Hospital #4,

Dnipro, Ukraine

 4980

TREATED PATIENTS

 520

CLINICAL TRIALS

 31

TOP ENROLLMENT

 150

AUDITS

 3

FDA INSPECTIONS

 430

PUBLICATIONS



Ukraine is thankful to the whole world for the help and support

We want to contribute clinical trials

Now it is our time to share our knowledge and provide our solutions for current clinical trial related issues

Let innovate together
Please join us!

Professor Igor Bondarenko

Dnipro, Ukraine

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